



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010546  
CERTIFICATION DATE: September 25, 2013  
DATE RECERTIFICATION DUE: March 24, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy

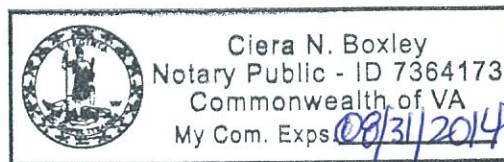
Program Manager, Calibration & Training

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 4<sup>th</sup> day of October, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014  
TLV



DBH  
NWK

**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 9/26/2013**

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<b>Instrument Serial Number:</b>	<b>010546</b>	<b>As of 26-Sep-13</b>
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Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
25-Sep-13	25-Sep-13	DBH (21250)	CERTIFIED.
10-Sep-13	10-Sep-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
16-Apr-13	16-Apr-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
10-Dec-12	10-Dec-12	HMS (18910)	CERTIFIED
19-Oct-12	19-Oct-12	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
18-Oct-10	18-Oct-10	HMS (18910)	CERTIFIED
09-Sep-10	07-May-10	HMS (18910)	REPLACED DRY GAS STANDARD.
07-May-10	07-May-10	HMS (18910)	CERTIFIED
12-Nov-09	12-Nov-09	NMJ (22392)	REPLACED DRY GAS STANDARD, CERTIFIED.
05-Jun-09	05-Jun-09	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
28-Jan-09	28-Jan-09	HMS (18910)	CERTIFIED.
22-Jan-09	22-Jan-09	HMS (18910)	CERTIFIED.
08-Dec-08	08-Dec-08	HMS (18910)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH

nsk

# INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010546 Worksheet Start Date 9/25/2013

Location Chesapeake Jail

Address 304 Albermarle Dr Chesapeake VA 23322

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

## Site Specifications

### 1 Secured Environment:

Location must not be accessible to the general public.

Yes No

☒ ☐

### 2 Environment free from contaminants

☒ ☐

### 3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

### 4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

### 5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

### 6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

### 7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

	Old serial no.	New serial no.	Supplies
E-Seek			Mouthpieces 350
Keyboard			Certificates of Analysis 200
Printer			Operator Worksheet 200
UPS			Other:

Maintenance (if any)

Comments (if any)

Instrument Serial Number 010546

Certification Date 9/25/2013

Instrument Barometer (mm HG) 757

Reference Barometer (mm HG) 760

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.249	0.241	0.256	Sample 2	0.248
Precision		sample min	sample max	Sample 3	0.247
0.001		0.247	0.248		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.149	0.144	0.153	Sample 2	0.149
Precision		sample min	sample max	Sample 3	0.149
0		0.149	0.149		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☐ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG316301-10

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.100	0.097	0.103	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.099
0		0.099	0.099		

DFS Technician

*Donald B Hall*

Date

9/26/13

Issuing Analyst

*Melissa Kennedy*

Date

10/2/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

TLN

DFS Document 250-F113

Revision 6

Page 2 of 2

DBH

WHL

# **Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010546      Test Number: 1848  
Test Date: 09/25/2013      Test Time: 14:19 EDT

Technician Initials: DBH

Dry Gas Target: 0.249

Lot Number: 2961225012-10      Exp Date: 11/01/2014

Tank Pressure: 227 psi      Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:19
BLK	0.000	14:20
CHK	0.248	14:21
BLK	0.000	14:23
CHK	0.248	14:23
BLK	0.000	14:25
CHK	0.247	14:26
BLK	0.000	14:28

## **Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010546      Test Number: 1849  
Test Date: 09/25/2013      Test Time: 14:30 EDT

Technician Initials: DBH

Dry Gas Target: 0.149

Lot Number: 2951215012-03      Exp Date: 11/01/2014

Tank Pressure: 973 psi      Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:31
BLK	0.000	14:32
CHK	0.149	14:32
BLK	0.000	14:34
CHK	0.149	14:34
BLK	0.000	14:36
CHK	0.149	14:37
BLK	0.000	14:38

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DBH

# Intox EC/IR-II: Certification

WDL

Department of Forensic Science

Serial Number: 010546      Test Number: 1850  
Test Date: 09/25/2013      Test Time: 14:41 EDT

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 06512080I2-03      Exp Date: 04/01/2014

Tank Pressure: 193 psi      Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:41
BLK	0.000	14:42
CHK	0.080	14:43
BLK	0.000	14:44
CHK	0.080	14:45
BLK	0.000	14:46
CHK	0.080	14:47
BLK	0.000	14:48

## Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH

# **Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010546      Test Number: 1851  
Test Date: 09/25/2013      Test Time: 14:51 EDT

WDL

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05      Exp Date: 04/01/2014

Tank Pressure: 105 psi      Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:51
BLK	0.000	14:52
CHK	0.019	14:53
BLK	0.000	14:54
CHK	0.019	14:55
BLK	0.000	14:56
CHK	0.019	14:57
BLK	0.000	14:58

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success



DBH

WKL

# Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010546      Test Number: 1852

Test Date: 09/25/2013      Test Time: 15:01 EDT

Dry Gas Target: 0.299

Lot Number: AG322702-04      Exp Date: 08/15/2015

Tank Pressure: 272 psi      Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	15:01
CHK	0.302	15:02
BLK	0.000	15:04
CHK	0.302	15:05
BLK	0.000	15:07
CHK	0.301	15:08

Test Status: Success

Calibration CRC: F6D4DC45

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010546 Test Number: 1853

Test Date: 09/25/2013 Test Time: 15:11 EDT

Dry Gas Target: 0.100

Lot Number: AG316301-10 Exp Date: 06/12/2015

Tank Pressure: 1031 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	15:12
CHK	0.099	15:12
BLK	0.000	15:14
CHK	0.099	15:15
BLK	0.000	15:16
CHK	0.099	15:17

Test Status: Success

Calibration CRC: F6D4DC45

DBH  
NHL




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED  <b>INSTRUMENT, TEST,</b>	NAME OF COURT  <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY  <b>HALL, DONALD, B</b>		AGENCY  <b>DFS Central Lab</b>
DFS LICENSE NUMBER  <b>21250</b>	LICENSE EXPIRES  <b>10/01/2014</b>	DATE TEST CONDUCTED  <b>09/25/2013</b>
TEST EQUIPMENT NUMBER  <b>010546</b>		

RESULTS: TIME SAMPLE TAKEN 15:26 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 26 Sep 2013 at 08:50

DBH

NSK

## Test Results

Instrument Serial Number 010546

Test # 001854 Subject Test

Test Location 1 Department of

Test Date 25 Sep 2013

Test Location 2 Forensic Science

Test Time 15:20

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name HALL

Agency DFS Central Lab

Card Serial Number 121250

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name DONALD

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

License Number 21250

Operator's Middle Initial B

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 25 Sep 2013

End Time 15:27

Result Time 15:26

Result Date 25 Sep 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 15:20

Data Type BLK

Sample Value 0.000

Sample Time 15:21

Data Type CHK

Sample Value 0.099

Sample Time 15:21

Data Type BLK

Sample Value 0.000

Sample Time 15:23

Data Type SUBJ

Sample Value 0.000

Sample Time 15:24

Data Type BLK

Sample Value 0.000

Sample Time 15:25

Data Type SUBJ

Sample Value 0.000

Sample Time 15:26

Data Type BLK

Sample Value 0.000

Sample Time 15:27

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG316301-10

Standard Expiration Date 06/12/2015

Tank Pressure 1026

Barometric Pressure 757 mmHg

Blow Sample Number 1

Blow Duration 4.17 sec

Blow Volume 2296 cc

End-of-Blow Time 15:24

Blow Sample Number 2

Blow Duration 3.35 sec

Blow Volume 1841 cc

End-of-Blow Time 15:26

Tamper Evident Stamp c676a44f

Test Status Code 0

Test Status Success